

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended) A computer readable medium storing a computer program for a controlling apparatus, wherein said computer program causes said controlling apparatus to execute ~~executing~~ procedures of:

monitoring a frequency of communications from said controlling apparatus to the outside; and

detecting computer virus infection at the controlling apparatus by ~~means of~~ comparing the monitored frequency of communications with a preset threshold value.

2. (Currently Amended) The computer readable medium ~~A computer program~~ of claim 1, wherein a procedure of monitoring includes ~~a procedure of~~ monitoring a frequency of communications from said controlling apparatus to a plurality of external devices.

3. (Currently Amended) The computer readable medium ~~A computer program~~ of claim 1, wherein said procedure of monitoring includes ~~a procedure of~~ monitoring a frequency of communications to a specific destination port.

4. (Currently Amended) The computer readable medium ~~A computer program~~ of claim 1 wherein said program further ~~executing~~ executes the procedure of causing an image forming apparatus controlled by said controlling apparatus to print out a warning content when computer virus infection is detected.

5. (Currently Amended) The computer readable medium ~~A computer program~~ of claim 1, wherein said procedure of monitoring includes ~~a procedure of~~ monitoring a number of packets transmitted from said controlling apparatus in a unit time period.

6. (Currently Amended) The computer readable medium ~~A computer program~~ of claim 1, wherein said procedure of monitoring includes ~~a procedure of~~ monitoring a number of packets that are associated with a specific destination port number and transmitted from said controlling apparatus in a unit time period.

7. (Currently Amended) The computer readable medium ~~A computer program~~ of claim 1, wherein said procedure of monitoring includes ~~a procedure of~~ monitoring a frequency of connection request packets transmitted from said controlling apparatus.

8. (Currently Amended) The computer readable medium ~~A computer program~~ of claim 1, wherein said procedure of monitoring includes ~~a procedure of~~ monitoring a frequency of connection request packets that are associated with a specific destination port number and transmitted from said controlling apparatus.

9. (Currently Amended) A computer readable medium ~~computer program~~ of claim 1, wherein said controlling apparatus is a controller for controlling an image forming apparatus.

10. (Currently Amended) A controlling apparatus comprising:  
a monitor for monitoring a frequency of communications from said controlling apparatus to the outside; and  
a detector for detecting computer virus infection at said controlling apparatus by ~~means of~~ comparing the monitored frequency of communications with a preset threshold value.

11. (Original) A controlling apparatus of claim 10, wherein said monitor monitors a frequency of communications from said controlling apparatus to a plurality of external devices.

12. (Original) A controlling apparatus of claim 10, wherein said monitor monitors a frequency of communications to a specified destination port.

13. (Original) A controlling apparatus of claim 10, wherein said monitor monitors a number of packets transmitted from said controlling apparatus in a unit time period.

14. (Original) A controlling apparatus of claim 10, wherein said monitor monitors a number of packets associated with a specific destination port number and transmitted from said controlling apparatus in a unit time period.

15. (Original) A controlling apparatus of claim 10, wherein said monitor monitors a frequency of connection request packets transmitted from said controlling apparatus.

16. (Original) A controlling apparatus of claim 10, wherein said monitor monitors a frequency of connection request packets that are associated with a specific destination port number and transmitted from said controlling apparatus.

17. (Original) A controlling apparatus of claim 10 is a controller for controlling an image forming apparatus.

18. (Original) A controlling apparatus of claim 10 further comprising a control unit for an image forming apparatus, wherein said control unit causes said image forming apparatus to print out a warning content when computer virus infection is detected.

19. (Currently Amended) A controlling method used in a controlling apparatus, comprising the steps of:

monitoring frequency of communications from said controlling apparatus to the outside; and

detecting computer virus infection at the controlling apparatus by ~~means of~~  
comparing the monitored frequency of communications with a preset threshold  
value; and

printing out a warning content when computer virus infection is detected.

20. (New) The controlling method of claim 19, wherein said controller is  
incorporated in an image forming device, and controls the operation of said image  
forming device.